



1600

## RAW SEQUENCE LISTING

DATE: 05/13/2003

PATENT APPLICATION: US/09/472,067A

TIME: 16:08:27

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF4\05132003\I472067A.raw

## SEQUENCE LISTING

4 (1) GENERAL INFORMATION:

C--> 6 (i) APPLICANT: HU, A-LI W.

7 HARTLEY, JAMES L.

8 JORDAN, HEATHER J.

10 (ii) TITLE OF INVENTION: NUCLEIC ACID LADDERS

12 (iii) NUMBER OF SEQUENCES: 7

14 (iv) CORRESPONDENCE ADDRESS:

15 (A) ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.

16 (B) STREET: 1100 NEW YORK AVENUE N.W., SUITE 600

17 (C) CITY: WASHINGTON

18 (D) STATE: DC

19 (E) COUNTRY: USA

20 (F) ZIP: 20005

22 (v) COMPUTER READABLE FORM:

23 (A) MEDIUM TYPE: Floppy disk

24 (B) COMPUTER: IBM PC compatible

25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

28 (vi) CURRENT APPLICATION DATA:

C--> 29 (A) APPLICATION NUMBER: US/09/472,067A

C--> 30 (B) FILING DATE: 23-Dec-1999

W--> 41 (C) CLASSIFICATION:

38 (vii) PRIOR APPLICATION DATA:

34 (A) APPLICATION NUMBER: US 09/048,242

35 (B) FILING DATE: 26-MAR-1998

39 (A) APPLICATION NUMBER: US 60/040,914

40 (B) FILING DATE: 27-MAR-1997

43 (ix) TELECOMMUNICATION INFORMATION:

44 (A) TELEPHONE: (202)371-2600

45 (B) TELEFAX: (202)371-2540

48 (2) INFORMATION FOR SEQ ID NO: 1:

50 (i) SEQUENCE CHARACTERISTICS:

51 (A) LENGTH: 10 base pairs

52 (B) TYPE: nucleic acid

53 (C) STRANDEDNESS: both

54 (D) TOPOLOGY: linear

56 (ii) MOLECULE TYPE: cDNA

61 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

64 ATCTCAGGAT

66 (2) INFORMATION FOR SEQ ID NO: 2:

68 (i) SEQUENCE CHARACTERISTICS:

69 (A) LENGTH: 10 base pairs

*P.3*

*W*

**Does Not Comply  
Corrected Diskette Needed**

10

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70          (B) TYPE: nucleic acid
71          (C) STRANDEDNESS: both
72          (D) TOPOLOGY: linear
74      (ii) MOLECULE TYPE: cDNA
79      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
81 ATCAGTCGAT
83 (2) INFORMATION FOR SEQ ID NO: 3:
85      (i) SEQUENCE CHARACTERISTICS:
86          (A) LENGTH: 10 base pairs
87          (B) TYPE: nucleic acid
88          (C) STRANDEDNESS: both
89          (D) TOPOLOGY: linear
91      (ii) MOLECULE TYPE: cDNA
96      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
98 ATCGCATGAT
100 (2) INFORMATION FOR SEQ ID NO: 4:
102      (i) SEQUENCE CHARACTERISTICS:
103          (A) LENGTH: 10 base pairs
104          (B) TYPE: nucleic acid
105          (C) STRANDEDNESS: both
106          (D) TOPOLOGY: linear
108      (ii) MOLECULE TYPE: cDNA
113      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
115 ATCATGCGAT
117 (2) INFORMATION FOR SEQ ID NO: 5:
119      (i) SEQUENCE CHARACTERISTICS:
120          (A) LENGTH: 65 base pairs
121          (B) TYPE: nucleic acid
122          (C) STRANDEDNESS: both
123          (D) TOPOLOGY: linear
125      (ii) MOLECULE TYPE: cDNA
131      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
133 AATTCTCGGG ATATCTCAGG ATATCTCAGG ATATCTCAGG ATATCTCAGG ATATCTCGGG
135 CTGCA
137 (2) INFORMATION FOR SEQ ID NO: 6:
139      (i) SEQUENCE CHARACTERISTICS:
140          (A) LENGTH: 43 base pairs
141          (B) TYPE: nucleic acid
142          (C) STRANDEDNESS: single
143          (D) TOPOLOGY: linear
145      (ii) MOLECULE TYPE: cDNA
150      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
152 CAACAACAAG AATTCAGGCC TAGCCAGTGC CTCGTCCATT TTT
154 (2) INFORMATION FOR SEQ ID NO: 7:
156      (i) SEQUENCE CHARACTERISTICS:
157          (A) LENGTH: 37 base pairs
158          (B) TYPE: nucleic acid
159          (C) STRANDEDNESS: single
160          (D) TOPOLOGY: linear

```

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162 (ii) MOLECULE TYPE: cDNA

167 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

169 CAACAACAAA AGCTTCTTAC ATGGCCCAGG TGCAGTA

37

W--&gt; 172 (-3)

*delete*

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/472,067A

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TIME: 16:08:28

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF4\05132003\I472067A.raw

L:6 M:220 C: Keyword misspelled or invalid format, [(i) APPLICANT:]  
 L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
 L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]  
 L:36 M:238 W: Alpha Fields not Ordered, Reordered [(C) CLASSIFICATION:] of (1)(vi)  
 L:41 M:238 W: Alpha Fields not Ordered, Reordered [(C) CLASSIFICATION:] of (1)(vi)  
 L:172 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:7